|            | Index of Claims |             |                |  |         |  |                 |              |          |           |               |             |           | Application No. |                    |           |          |          |          |           |           |          |         | Applicant(s) |          |              |                     |          |          |          |                |          |  |
|------------|-----------------|-------------|----------------|--|---------|--|-----------------|--------------|----------|-----------|---------------|-------------|-----------|-----------------|--------------------|-----------|----------|----------|----------|-----------|-----------|----------|---------|--------------|----------|--------------|---------------------|----------|----------|----------|----------------|----------|--|
|            |                 |             |                |  |         |  |                 |              |          |           |               |             |           | ١,              | 09/830,559         |           |          |          |          |           |           |          |         |              |          | CHAKI ET AL. |                     |          |          |          |                |          |  |
| ٠, .       |                 |             |                |  |         |  |                 |              |          |           |               |             |           |                 | Examiner           |           |          |          |          |           |           |          |         |              | Art Unit |              |                     |          |          |          |                |          |  |
| ,          | , ,,            | -           | Ш              |  |         |  |                 | Mi           |          |           |               |             |           |                 | 1.                 |           |          |          |          |           |           |          |         |              |          |              |                     |          |          |          |                |          |  |
|            |                 |             |                |  |         |  |                 |              |          |           |               |             |           |                 | Peter G O'Sullivan |           |          |          |          |           |           |          |         | 1821         |          |              |                     |          |          |          |                |          |  |
|            | (Through numera |             |                |  |         |  |                 |              |          |           |               |             |           |                 |                    |           | n        | _        | r-       | _         |           |          | _       | ì            |          |              |                     |          |          |          | 3              |          |  |
|            | √ Rejected —    |             |                |  |         |  |                 |              |          |           |               | rai         | )         |                 | N                  | Non-Ele   |          |          | ected    |           | A         | Appeal   |         |              |          |              |                     |          |          |          |                |          |  |
|            |                 |             | Н              |  |         |  | $\dashv$        |              | Н        |           |               | anc         | FIR       |                 |                    |           | ┨        | ۳        | -        |           |           |          | {       |              |          |              |                     | <u> </u> |          |          |                |          |  |
|            |                 |             | -              | A  | llow    | red  |                 |              | +        |           | R             | estri       | ct        | ed              |                    |           |          | 1        | 11       | ntei      | rier      | enç      | •       |              | 0        |              | ОЫ                  | ect      | ed       |          |                |          |  |
|            |                 |             | ليوا           |  |         |  | لـ              |              |          |           |               |             |           |                 |                    | _         | j        | L        | _        |           |           |          |         |              | ட        | 1            |                     |          | _        | )        |                |          |  |
|            | CI              | aim         |                |  |         | De   | ite             |              |          |           | Claim 6       |             |           |                 |                    |           | Date     | te       |          |           |           |          | Claim   |              |          |              | Date                |          |          | _        | _              | 7        |  |
|            | =               | 7           | 3              |  |         |  |                 |              |          |           | _             | 3           | k         |                 | 1                  |           |          |          |          |           |           |          | _       | -            | П        | T            | Т                   | Τ        | Π        |          |                | 7        |  |
|            | Final           | Original    | 3              |  | -       |  | 1               | Ì            |          |           | Final         | Original    | N         | Ŋ               |                    |           |          |          |          |           |           | 1        | 100     | Original     |          |              |                     |          |          |          |                |          |  |
| l          |                 | 0           |                |  |         | ┵  | ┸               | L            | Ц        | $\Box$    | _             | 1_          | 1_        | l               | L                  | L         | L        | L        | Ц        | Ш         | ┙         | L        |         |              | Ш        | ┙            | $\perp$             | L        | L        | Ш        |                |          |  |
|            |                 | H           | <b>Y</b>       | ╢  | -       | +  | ╫               | ╀            | $\vdash$ | $\dashv$  | <b> </b>      | ( <u>5)</u> | Ψ:        | 4               | ╀                  | ╀         | $\vdash$ | Н        |          | $\vdash$  | 4         | ┝        | -       | 101          | Н        | 4            | 4                   | ╀        | ┞        | Н        |                |          |  |
|            |                 | 3           | H              | Ħ  | +       | ╁  | ╁               | ╁            | Н        | $\dashv$  | <del>  </del> | 3           | ۲,        | +               | 十                  | ╁         | Н        | Н        | Н        | Н         | $\dashv$  | 上        | ᅱ       | 103          | Н        | +            | ┿                   | ╀╌       | ╁        | Н        | $\vdash$       |          |  |
|            |                 | A           |                | 7  | 工       | I  | I               |              |          | _         |               | 53          |           | Ι               |                    |           |          |          |          |           | コ         |          |         | 104          |          | 土            | 土                   |          |          |          |                | ╛        |  |
| - 1        |                 | 5)          | V.             | 쒸  | +       | +  | +-              | _            | Н        | $\dashv$  | <u> </u>      | 55<br>56    | ╀         | ╀               | ┡                  | ╀         | Н        |          | Н        |           | 4         | $\vdash$ | -       | 105<br>106   |          | 4            | 4-                  | ╄        | _        | Н        |                | 7        |  |
| ł          |                 | (7)         | 1              | H  | +       | +  | ╁               | H            | H        | $\dashv$  | <del> </del>  | 57          | t         | ╁               | ┢                  | H         | Н        | Н        | $\dashv$ | +         | $\dashv$  | $\vdash$ |         | 107          | $\dashv$ | +            | 十                   | ╁        |          | Н        | -              |          |  |
| Į.         |                 |             | V              |  | $\perp$ | T  | $\top$          |              |          | $\exists$ |               | 58          | I         |                 |                    | L         |          |          |          |           |           |          |         | 108          |          | 1            | 土                   |          |          |          |                |          |  |
| ŀ          |                 | (9)         | 7              | *  | +       | ╀  | +               | Н            | $\vdash$ | 4         | <u> </u>      | 59<br>60    | ╀         | ╀               | ┝                  | -         | Н        | $\dashv$ | $\dashv$ | $\dashv$  | -         | $\vdash$ | -       | 109          |          | +            | +                   | ╀        | _        | -        | -              | 4        |  |
| ŀ          | _               |             | N              |  | ╅       | +  | +               |              | $\Box$   | 1         | $\vdash$      | 61          | t         | ╁               | H                  | ┢         | Н        |          | -        | $\dashv$  | ┨         | -        |         | 111          | -        | 十            | ┿                   | ╁        |          | Н        | $\dashv$       | ┥ .      |  |
|            |                 | 12/         | 1              | $\prod$  | I       | Ţ  | oxday           | П            | $\Box$   | $\exists$ |               | 62          | L         | I               |                    |           |          |          | $\Box$   | $\exists$ | $\exists$ |          |         | 112          | $\Box$   | 1            |                     |          |          |          | $\dashv$       | □ -      |  |
| }          |                 | 13          |                | ₩  | ╫       | ╀  | ┿               | Н            | -+       | $\dashv$  | <u> </u>      | 63<br>64    | ╁╴        | ╀               | ┝                  | ⊢         | $\vdash$ |          | -        | -         | -         | $\vdash$ |         | 113          | +        | +            | ╀                   | ┼        | H        | Н        | -+             | ∣        |  |
| ľ          |                 | 15          |                | 미  | 土       | İ  |                 |              |          |           |               | 65          |           | t               |                    |           | I        |          |          | 1         | 1         | -        |         | 115          | 7        | 十            | ╁╴                  | +        | Н        | Н        | +              | 1        |  |
| F          |                 | <u>(10)</u> | 7              | 1  | $\bot$  | T  | Ŀ               |              | $\Box$   | 7         |               | 68          | Г         | L               |                    |           | $\Box$   | $\Box$   | $\Box$   | $\Box$    | $\exists$ | Г        |         | 116          | $\Box$   | Ţ            | 工                   |          |          |          | $\Box$         |          |  |
| ŀ          |                 | 17<br>218/  | H              | H  | ╫       | ╁  | ╂┈              | Н            | -        | ┨         | -             | 67<br>68    | ┝         | ┝               | $\vdash$           | Н         | $\dashv$ | $\dashv$ | $\dashv$ | ╅         | $\dashv$  | $\vdash$ |         | 117<br>118   | +        | +            | ╫                   | Н        | Н        | $\vdash$ | -+             | -        |  |
| t          |                 | 19          | П              | Ш  | 1       | t  |                 |              | ⇉        | ╛         |               | 69          |           |                 |                    |           |          |          | 1        |           | _         |          |         | 119          | $\perp$  | $\pm$        | +-                  | Н        |          | 1        | -              | -        |  |
| -          |                 | 3           |                |  | +       | L  |                 | Ц            | $\perp$  | _         |               | 70          | L         | L               | L                  | П         | $\Box$   | Į        | $\dashv$ | _         | 7         | F        |         | 120          | 7        | Ţ            | Ţ                   |          |          | $\Box$   | $\blacksquare$ | □        |  |
|            | $\dashv$        | 21<br>22)   |                |  | +-      | ╁  | Н               | $\dashv$     | $\dashv$ | $\dashv$  | <del> </del>  | 71<br>72    | ├         | ╁╌              | Н                  | Н         | $\dashv$ | $\dashv$ | $\dashv$ | ╅         | $\dashv$  | $\vdash$ |         | 121<br>122   | -+       | +            | ╁                   | Н        | $\dashv$ | $\dashv$ | +              | -        |  |
|            |                 | 23          | 1              |  |         | İ  |                 |              |          |           |               | 73          |           |                 |                    |           |          |          |          | 1         | 1         |          | $\Box$  | 123          | 7        |              | 1                   |          |          | 7        | $\dashv$       | ╡        |  |
| -          | _{              | 24)<br>25   | Н.             | $\!$ | +       | ╀  | Н               | $\dashv$     | -        | 4         | <u> </u>      | 74<br>75    | L         |                 |                    |           |          | 4        | $\dashv$ | 4         | 4         |          | $\perp$ | 124          | 4        | Ŧ            | 1                   | П        | Ц        | $\neg$   | $\bot$         | <b>∃</b> |  |
| ŀ          | _               | 26)         | 1              | H  | ╁       | +  | Н               | $\dashv$     | +        | $\dashv$  |               | 76          | ⊢         | Н               | Н                  | Н         | $\dashv$ | $\dashv$ | $\dashv$ | ╁         | -         | $\vdash$ |         | 125<br>126   | ╁        | ╁            | +-                  | Н        | +        | -+       | +              | -        |  |
|            |                 | 27          | v ,            | 1  | 工       | Γ  |                 |              |          | ]         |               | 77          |           |                 |                    |           |          | ゴ        |          | 土         | 1         |          | $\perp$ | 127          | 土        | 上            | L                   |          |          | 1        | 土              |          |  |
|            | - 4             | 28/<br>29   |                | 7  | +-      | ╀  | Н               | -            | +        | 4         |               | 78<br>79    | -         | Н               |                    | Н         | $\dashv$ | 4        | 4        | 4         | 4         | $\vdash$ |         | 128          | -        | +            |                     | Н        | $\dashv$ | _        | +              |          |  |
| F          | _               |             |                | 7  | +-      | 1-   | H               | $\dashv$     | $\dashv$ | -         |               | 80          | Н         | Н               |                    | $\dashv$  | +        | +        | +        | +         | +         | -        |         | 129<br>130   | +        | ╁            | ╀                   | Н        | $\dashv$ | +        | +              | -        |  |
| F          | $\Box$          | 31          | ZJ.            | 4  | I       | Г  | П               | $\Box$       | I        | ]         |               | 81          |           |                 |                    |           | $\Box$   | 1        | 1        | 1         | 1         |          | Ţ       | 131          | 工        | $\perp$      |                     |          | $\Box$   |          |                | ]        |  |
|            |                 | 32<br>35    | <del>3</del> - | <del>1</del>   | +       | $\vdash$   | H               | $\dashv$     | +        | -         |               | 82<br>83    | _         | Н               |                    | 4         | +        | +        | +        | +         | -         | ⊣        | +1      | 132          | +        | +-           | $\perp$             | $\vdash$ | 4        | -        | +              | -        |  |
| t          |                 |             | 7              |  | 1       | -  | Н               | +            | $\dashv$ | -         | $\dashv$      | 84          | Н         | Н               | ᅥ                  | +         | +        | +        | +        | 十         | ┪         | $\vdash$ |         | 134          | +        | ╁            | +                   | Н        | +        | +        | ╁              | -        |  |
| \ F        | $\Box$          | 35          | 4              | 4  | I       |  | П               | $\Box$       | 工        | ]         |               | 85          |           |                 |                    | $\Box$    |          | 1        | 1        | $\bot$    | ]         |          | 1       | 135          | 工        | I            |                     |          | コ        | 士        |                | ]        |  |
| ` <b>-</b> | -               | 36<br>37    | +              | ╁  | ╁╌      | ┝  | $\vdash$        | -            | +        | $\dashv$  |               | 86<br>87    | Н         | -               | -                  | $\dashv$  | +        | +        | +        | +         | -         | -        |         | 136<br>137   |          | +            | Н                   | $\dashv$ | 4        | 4        | +              | -        |  |
| E          |                 | 38          | 1              | 7  | t       | <del>                                     </del> | H               | +            | $^{+}$   | ۱ ۲       |               | 88          | ٢         |                 | +                  | $\dashv$  | $\dashv$ | +        | +        | 十         | 7         | $\vdash$ |         | 38           | ╁        | ╁            | Н                   | -        | +        | ╁        | ╅              | -        |  |
| · F        | $\dashv$        | 39          | 4              | 1  | I       |  | $\Box$          | $\exists$    | T        | 7         | $\Box$        | 89          |           |                 | $\Box$             | $\Box$    | 1        | I        | I        | I         | ]         |          | _       | 139          | 1        |              | П                   |          | 1        | $\Box$   | 丰              | ]        |  |
| F          | +               | 40          | 4              |  | ╂╌      | $\vdash$   | Н               | +            | +-       | -         | -             | 90<br>91    | -         | $\dashv$        | $\dashv$           | +         | +        | +        | +        | ┿         | 4         | -        |         | 40           | +        | ╄            | Н                   | -        | 4        | 4        | +              | -        |  |
| E          | 士               | 42 1        | 77             | V  |         |  | H               | $\pm$        | $\pm$    | <u> </u>  |               | 92          | $\exists$ | 7               | _                  | $\exists$ | _        | 士        | T        | 士         | 1         |          |         | 42           | +        | +            | Н                   | ┰        | +        | 十        | +              | -        |  |
|            |                 | 43          | $\Delta V$     | 1  | $\Box$  |  | П               | Ţ            | Ţ        | ] [       |               | 93          | $\Box$    |                 | $\Box$             | 1         | $\Box$   | 1        | 1        | I         | ]         |          | 1       | 43           | I        |              |                     | ユ        | 土        | 土        | 工              | ]        |  |
| -          |                 | 48 1        |                |  | 4-1     | Н  | $\vdash \vdash$ | +            | +        | ┨ ╏       | $\dashv$      | 94<br>95    | -         | $\dashv$        | +                  | +         | +        | +        | +        | +         | -         | -        |         | 44           | +        | +            | $\vdash \downarrow$ | 4        | 4        | $\perp$  | +              | -        |  |
| <b> </b>   |                 | 46          | 7.             | 小  | +       | H  | H               | +            | +        | 1         | +             | 96          | $\dashv$  | +               | +                  | +         | +        | +        | 十        | +         | 1         | -        | _       | 46           | +        | ╁            | H                   | $\dashv$ | ╁        | +        | +              | 1        |  |
|            | ユ               | 47 1        | $\mathbf{v}$   | <i>I</i>   | $\Box$  | 口  | $\Box$          | ightharpoons | I        | ] [       |               | 97          | 二         | 1               | <b>ゴ</b>           | ユ         | 1        | 土        | 1        | I         | 1         |          | 1       | 47           | I        |              | □                   | 士        | $\perp$  | 土        | 工              | 1        |  |
| -          | +               | 48<br>49    | <del>   </del> | +  | +       | Н  | +               | +            | +        | ┥┝        | $\dashv$      | 98<br>99    |           | 4               | 4                  | 4         | +        | 4        | +        | +         | -         | -        |         | 48           | $\bot$   | 1            | П                   | Ţ        | 7        | Ţ        | +              | 4 1      |  |
| <br> -     | +               | 50          | *              | 1  | H       | Н  | $\dashv$        | +            | +        | ┪┟        | -             | 100         | ┰┤        | $\dashv$        | +                  | +         | +        | +        | +        | 十         | 1         | $\vdash$ |         | 49<br>50     | ╁        | ╁            | ┝┤                  | +        | +        | +        | ╁              | ┥ !      |  |